

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of:	Gustafsson <i>et al.</i>	Confirmation No.:	5350
Application No.:	10/566,953	Group Art Unit:	1631
Filed:	January 31, 2006	Examiner:	Shubo Zhou
For:	SYSTEMS AND METHODS FOR BIOPOLYMER ENGINEERING	Attorney Docket No:	11548-002-999 (888651-999001)

**AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action mailed June 22, 2010 ("Office Action") in connection with the above identified patent application and in accordance with Rule 146 of the Rules of Practice, please consider the following remarks. Applicants Enclosed herewith (i) a Sequence Listing in both paper and computer readable form pursuant to 37 C.F.R. §§ 1.821(c) and (e) and (ii) a Transmittal of Sequence Listing.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** begin on page 6 of this paper.

**Remarks** begin on page 15 of this paper.